

LISTING OF CLAIMS

1-9. (canceled)

10. (currently amended) An isolated nucleic acid molecule comprising a nucleotide sequence selected from the group consisting of:

- a) a the nucleotide sequence set forth in SEQ ID NO:39;
- b) a the nucleotide sequence set forth in SEQ ID NO:47;
- c) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 40 ~~or a replicase encoding fragment thereof;~~ and
- d) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 50 ~~or a coat protein encoding fragment thereof,~~
- e) ~~a nucleotide sequence having at least 90% identity to a) and which encodes a replicase;~~
- f) ~~a nucleotide sequence having at least 90% identity to b and which encodes a coat protein;~~
- g) ~~a nucleotide sequence which encodes a replicase which shares at least 90% amino acid sequence identity with SEQ ID NO: 40; and~~
- h) ~~a nucleotide sequence which encodes a coat protein which shares at least 90% amino acid sequence identity with SEQ ID NO: 50.~~

11-18. (canceled)

19. (previously presented) An expression or transfer vector comprising at least one molecule of claim 10.

20-24. (canceled)

25. (currently amended) A vector comprising the molecule of claim 10 that replicates, expresses or encapsidates said nucleic acid molecule in a plant cell.

26. (previously presented) A vector comprising the molecule of claim 10 that transfers said nucleic acid molecule to a plant cell.

27. (currently amended) The vector of claim 25 or claim 26 which comprises a ribozyme for facilitating replication, expression or encapsidation of the nucleic acid molecule.

28. (currently amended) The vector of ~~claim 25 or claim 26~~ claim 27 wherein said ribozyme has a sequence selected from one of the following sequences:

5' CCATCGATGCCGGACTGGTATCCCAGGGGG (SEQ ID NO: 5)

5' CCATCGATGCCGGACTGGTATCCCGAGGGAC (SEQ ID NO: 6)

5' CCATCGATGATCCAGCCTCCTCGCGGCGCCGGATGGGCA (SEQ ID NO: 7)

5' GCTCTAGATCCATTCGCCATCCGAAGATGCCCATCCGGC (SEQ ID NO: 8)

5' CCATCGATTTATGCCGAGAAGGTAACCAGAGAAACACAC (SEQ ID NO: 9)

5' GCTCTAGACCAGGTAATATACCACAACGTGTGTTTCTCT (SEQ ID NO: 10).

29. (canceled)

30. (currently amended) An expression or transfer vector, wherein the vector is selected from the group consisting of: pDHVR1, pDHVR1RZ, pDHVR2, pDHVR2RZ, p17V71, p17E71, ~~pPH~~, pV71, ~~p17V64~~, ~~pP64~~, ~~pV64~~, pBacHVR1, pBacHVR1RZ, pBacHVR2, pBacHVR2RZ, pHSPR1, pHSPR1RZ, pHSPR2, pHSPR2rZ, pSR1(E3)A, pSR1(E3)B, pSR2A, pSR2B, pSXR2P70, ~~pSRP2B~~, pBHVR1B, pBHVR2B, ~~pT7T2P64~~, pSR2P70, ~~pT7T2P65~~, ~~pT7T2P70~~, pT7T2P71, pBSKSE3, pBSR15, pBSR25p, pSR25, and ~~phr236P70~~, ~~phr235P65~~, ~~pGemP63N~~, ~~pGemP64N~~, ~~pGemP65N~~, ~~pP64N~~, ~~pP65H~~, pTP6MF, ~~pTP17~~, ~~pTP17delBB~~, ~~pP656~~ and ~~p70G~~.

31. (previously presented) A host cell comprising the vector of claim 19, wherein the host cell is a plant cell.

32-36. (canceled)

37. (currently amended) A method of controlling insect attack of a plant comprising inserting into the plant a first nucleic acid molecule selected from the group consisting of:

a) a the nucleotide sequence set forth in SEQ ID NO:39; and

b) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 40 ~~or a replicase encoding fragment thereof,~~

~~e) a nucleotide sequence having at least 90% identity to a) and which encodes a replicase;~~
and

~~d) a nucleotide sequence which encodes a replicase which shares at least 90% amino acid sequence identity with SEQ ID NO: 40;~~

and a second nucleic acid molecule selected from the group consisting of:

e) c) a the nucleotide sequence set forth in SEQ ID NO:47; and

~~f) d) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 50 or a coat protein encoding fragment thereof,~~

~~g) a nucleotide sequence having at least 90% identity to b) and which encodes a coat protein; and~~

~~h) a nucleotide sequence which encodes a coat protein which shares at least 90% amino acid sequence identity with SEQ ID NO: 50,~~

wherein said first nucleic acid molecule and said second nucleic acid molecule further comprise a ribozyme for facilitating replication, expression or encapsidation of said nucleic acid molecule and
wherein the plant produces HaSV viral particles, and insects feeding on the plant are deleteriously effected.

38. (canceled)

39-41. (canceled)

42. (new) A transgenic plant comprising a first nucleic acid molecule selected from the group consisting of:

a) the nucleotide sequence set forth in SEQ ID NO:39; and

b) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 40,

and a second nucleic acid molecule selected from the group consisting of:

c) the nucleotide sequence set forth in SEQ ID NO:47; and

d) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 50, wherein said first nucleic acid molecule and said second nucleic acid molecule further comprise a ribozyme for facilitating replication, expression or encapsidation of said nucleic acid molecule and wherein the plant produces HaSV viral particles, and insects feeding on the plant are deleteriously effected.